

**Niger (*Gujitil*)**  
(*Guizotia abyssinica*)

**Varieties:** Local (NG-1)

GA-5 and KEC-3 (for Central Brahmaputra Valley Zone).

**Duration:** 100-110 days

**Soil Type:** Silt loam to sandy loam

**Land Preparation:**

Land should be prepared thoroughly by giving 3-4 ploughings followed by laddering to obtain a fine tilth.

**Time of Sowing:**

October (September to middle of October for Lower Brahmaputra Valley Zone).

**Seed Rate:**

- **For line sowing:** 8 kg/ha (1.1 kg/bigha)
- **For broadcasting:** 12 kg/ha (1.5 kg/bigha)

**Spacing:** 25 cm between rows and 5-7 cm between plants

**Method of sowing:**

Furrows of 5 cm depth are to be prepared at 25 cm apart. Seeds are to be placed in furrows preferably at 3-5 cm depth. Then laddering should be done along the furrows to cover the seeds with a soil layer of about 3-5 cm. This ensures compacting of soil resulting in quick and uniform germination.

**Fertility Management:**

Nutrient	Requirement (kg/ha)	Form	Fertilizer requirement	
			kg/ha	kg/bigha
N	20	Urea	44	6
P <sub>2</sub> O <sub>5</sub>	10	SSP	63	9
K <sub>2</sub> O	10	MOP	17	2

**Plant protection:**

As no serious pests and diseases have been observed, plant protection measures are not required.

**Bee pollination:**

For enhancing yield through increased pollination, 5 honey bee colonies/ ha area of Niger is recommended.

**Harvesting:**

Harvesting should be done when leaves die out and turn blackish in colour. At maturity, the grains also turn black.

**Average Yield:** 5 q/ha